

**SERVICE MANUAL  
DOCUMENTATION TECHNIQUE  
TECHNISCHE DOKUMENTATION  
DOCUMENTAZIONE TECNICA  
DOCUMENTACION TECNICA**



**THOMSON DPL 500  
DPL 550 HT**

Version (PC\*): A

\*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



**Technical data - Caractéristiques principales  
Technische Daten - Dati tecnici - Características del aparato**

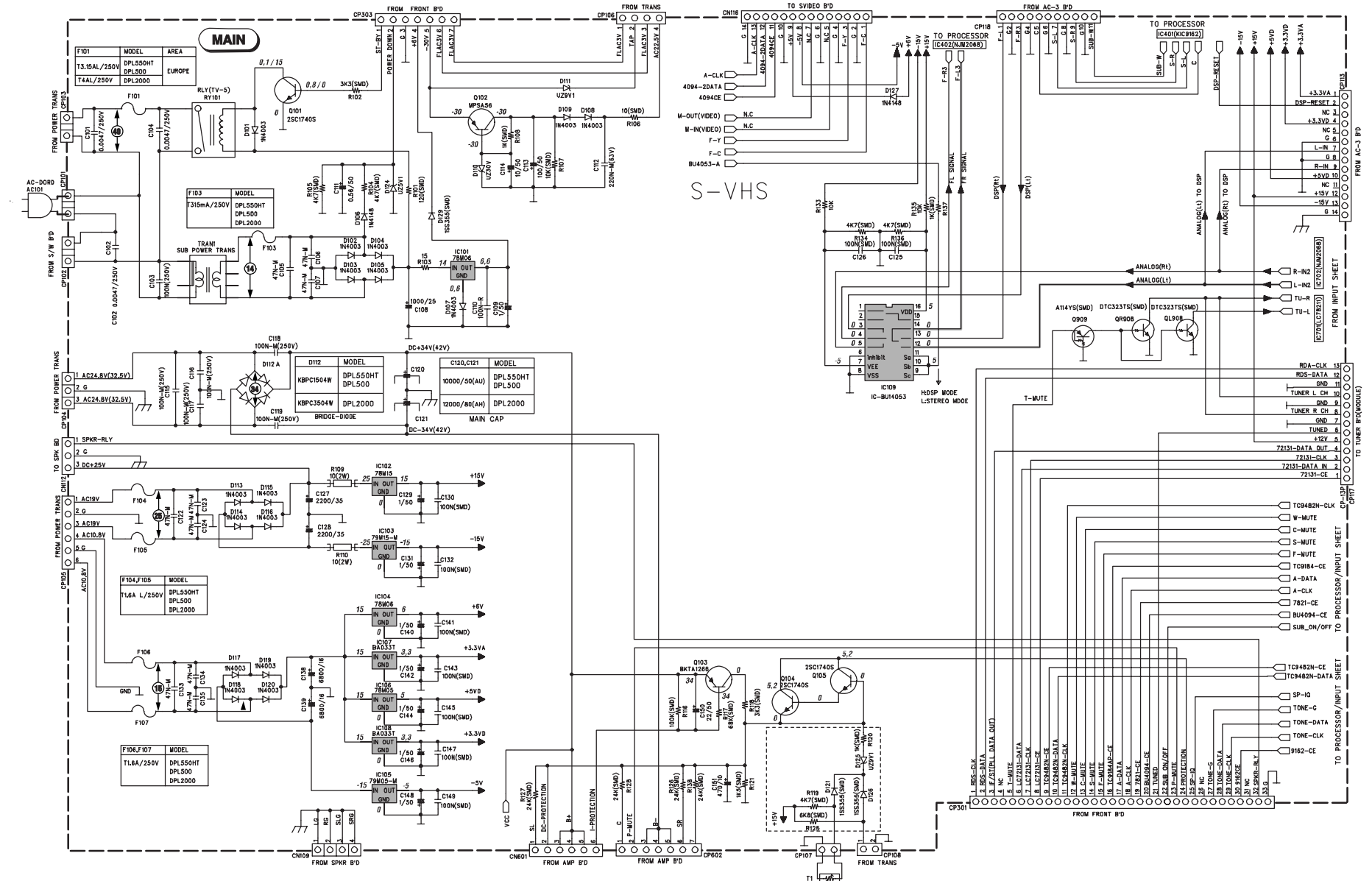
<b>Type of set :</b> Stereo pre-main amplifier <b>Type d'appareil :</b> Préampli-ampli stéréophonique <b>Geräteart :</b> Stereo-Vollverstärker <b>Tipo d'apparecchio :</b> Preamplificatore-amplificatore stereofonico <b>Tipo de aparato :</b> Préamplificador-amplificador estereofónico			
<b>Power supply :</b> <b>Allimentation :</b> <b>Stromversorgung :</b> ~ 230 V - 50Hz <b>Allimentazione :</b> <b>Alimentación :</b>		<b>Nominal output power :</b> <b>Puissance nominale de sortie :</b> <b>Nennausgangsleistung :</b> 5 x 50 W <b>Potenza nominale di uscita :</b> + 1 x 50 W <b>Potencia nominal de salida :</b>	
 <b>FM - MF :</b> 87,5 - 108 MHz <b>MW - PO :</b> 522 - 1620 kHz <b>LW - GO :</b> 153 - 279 kHz		<b>Sensitivity :</b> <b>Sensibilité :</b> FM - MF : 6 µV (S/N = 26 dB) <b>Empfindlichkeit :</b> MW - PO : 600 µV/m (S/N = 20 dB) <b>Sensibilità :</b> LW - GO : 1500 µV/m (S/N = 20 dB) <b>Sensibilidad :</b>	
<b>Frequency response :</b> <b>Courbe de réponse :</b> Front amp 15Hz - 70 kHz <b>Frequenzgang :</b> Rear amp 120Hz - 7kHz <b>Curva di risposta :</b> Sub woofer amp 20Hz - 70kHz <b>Curva de respuesta :</b>		<b>Signal to noise ratio :</b> <b>Rapport signal / bruit :</b> <b>Geräuschspannungsabstand :</b> 65 dB à 1 kHz <b>Rapporto segnale / disturbo :</b> <b>Relación señal / ruido :</b>	
<b>Total harmonic distortion :</b> <b>Distorsion harmonique :</b> <b>Klirrfaktor :</b> 0,2 % (-6 dB 1kHz) <b>Distorsione armonica :</b> <b>Distorsión armónica :</b>		<b>Stereo separation :</b> <b>Diaphonie :</b> <b>Übersprechdämpfung :</b> 60 dB à 1 kHz <b>Diafonia :</b> <b>Diafonía :</b>	
<b>Input sensitivity</b> <b>Sensibilité des entrées</b> <b>Eingangsempfindlichkeit</b> <b>Sensibilità del ingresso</b> <b>Sensibilidad de las entradas</b>		200mV	



**WARNING :** Before servicing this chassis read the safety recommendations.  
**ATTENTION :** Avant toute intervention sur ce châssis, lire les recommandations de sécurité.  
**ACHTUNG :** Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.  
**ATTENZIONE :** Prima di intervenire sullo chassis, leggere le norme di sicurezza.  
**IMPORTANTE :** Antes de cualquier intervención, leer las recomendaciones de seguridad.

**Code : 351 293 20 - 0800 / 2,7M - Print. - PAV 5005R/5005**

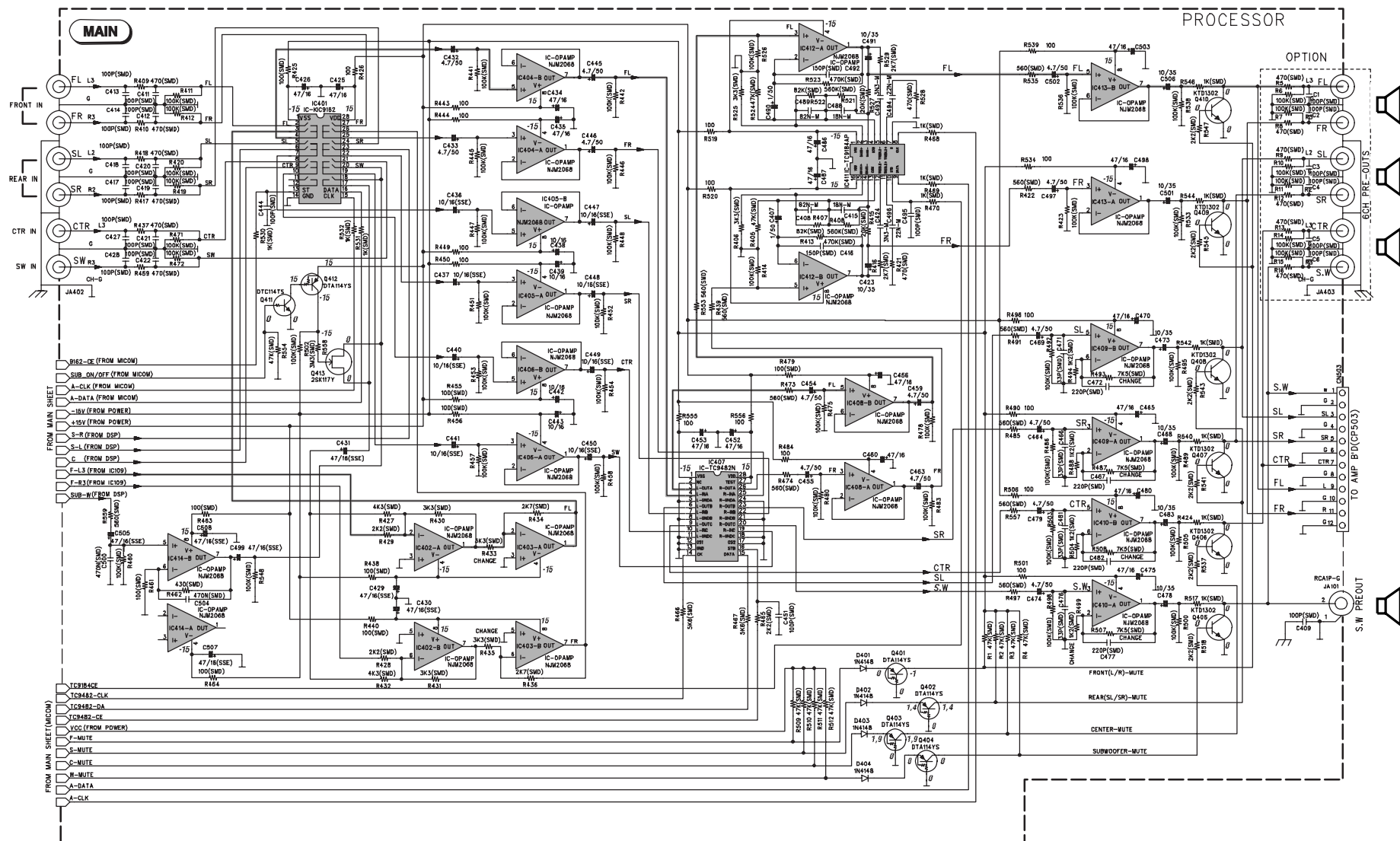
# MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL (POWER SUPPLY PART)



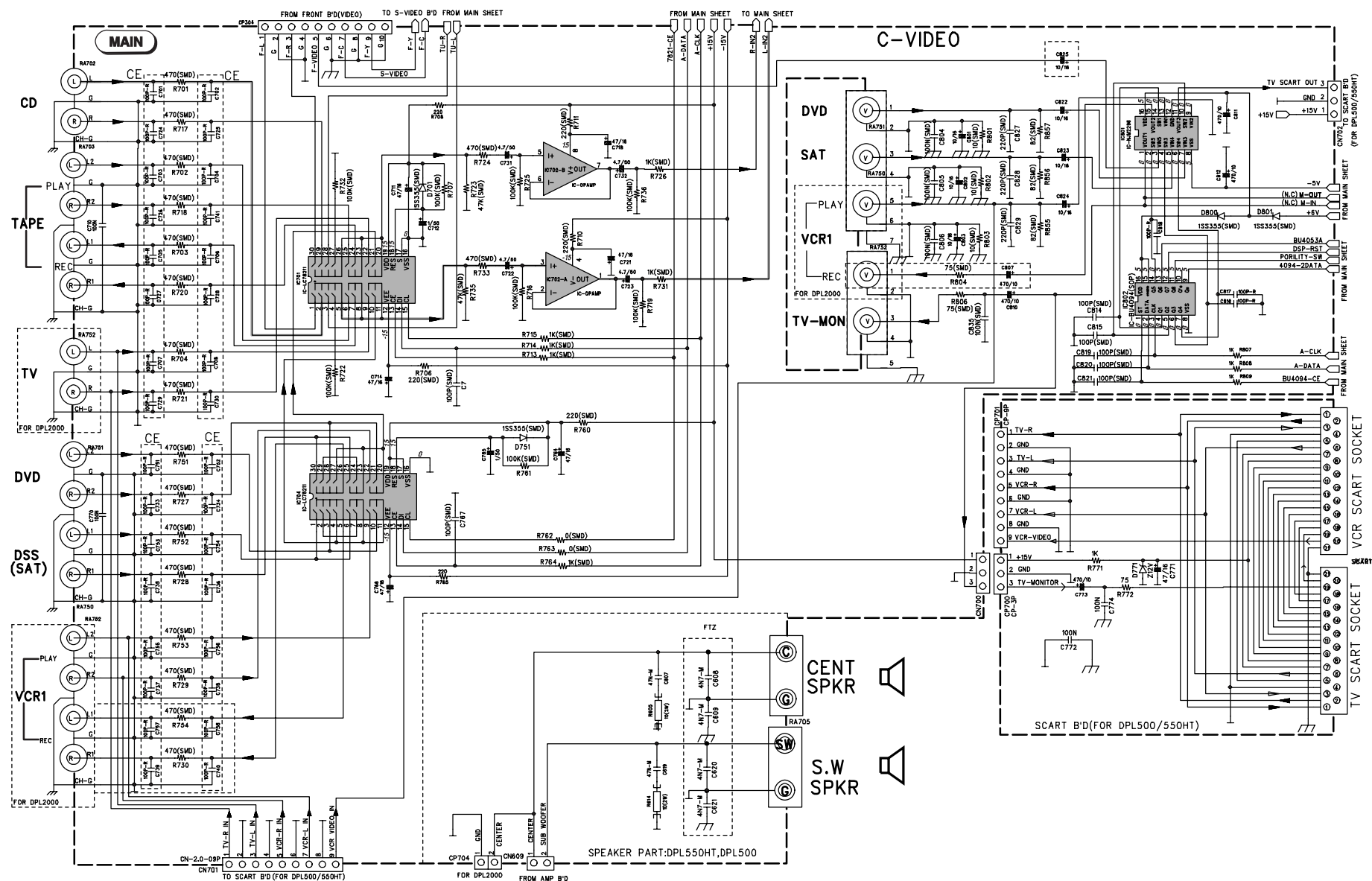
**PAV 5005R/5005**  
First issue 03 / 02



**MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL (PRE-AMPLIFIER PART)**



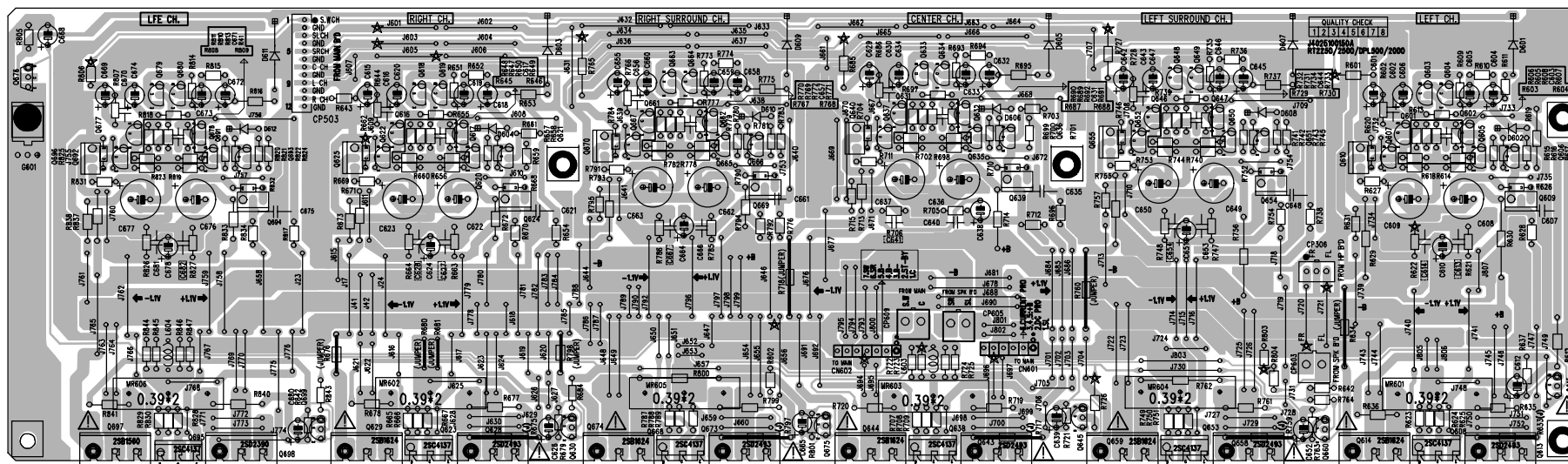
**MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL (INPUT/OUTPUT PART)**



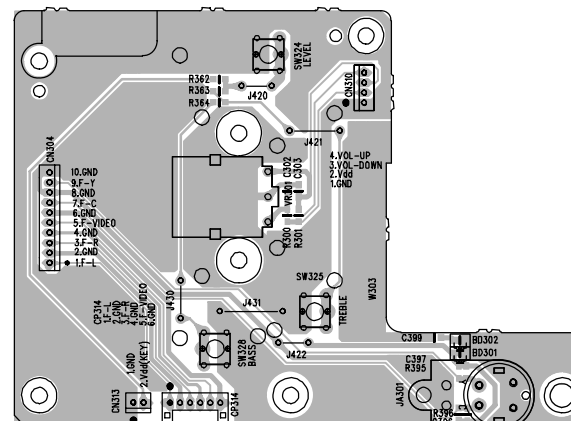




Amplifier P.C.B.  
Platine amplificateur  
Ltpl. Endverstärker  
Platra amplificatore  
Platina amplificador



Volume P.C.B.  
Platine volume  
Ltpl. Lautstärke  
Platra volume  
Platina volumen



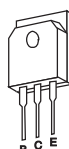
KTA1268  
KTA1266  
KTC3200



KTC3206  
KTA1024  
C114YS

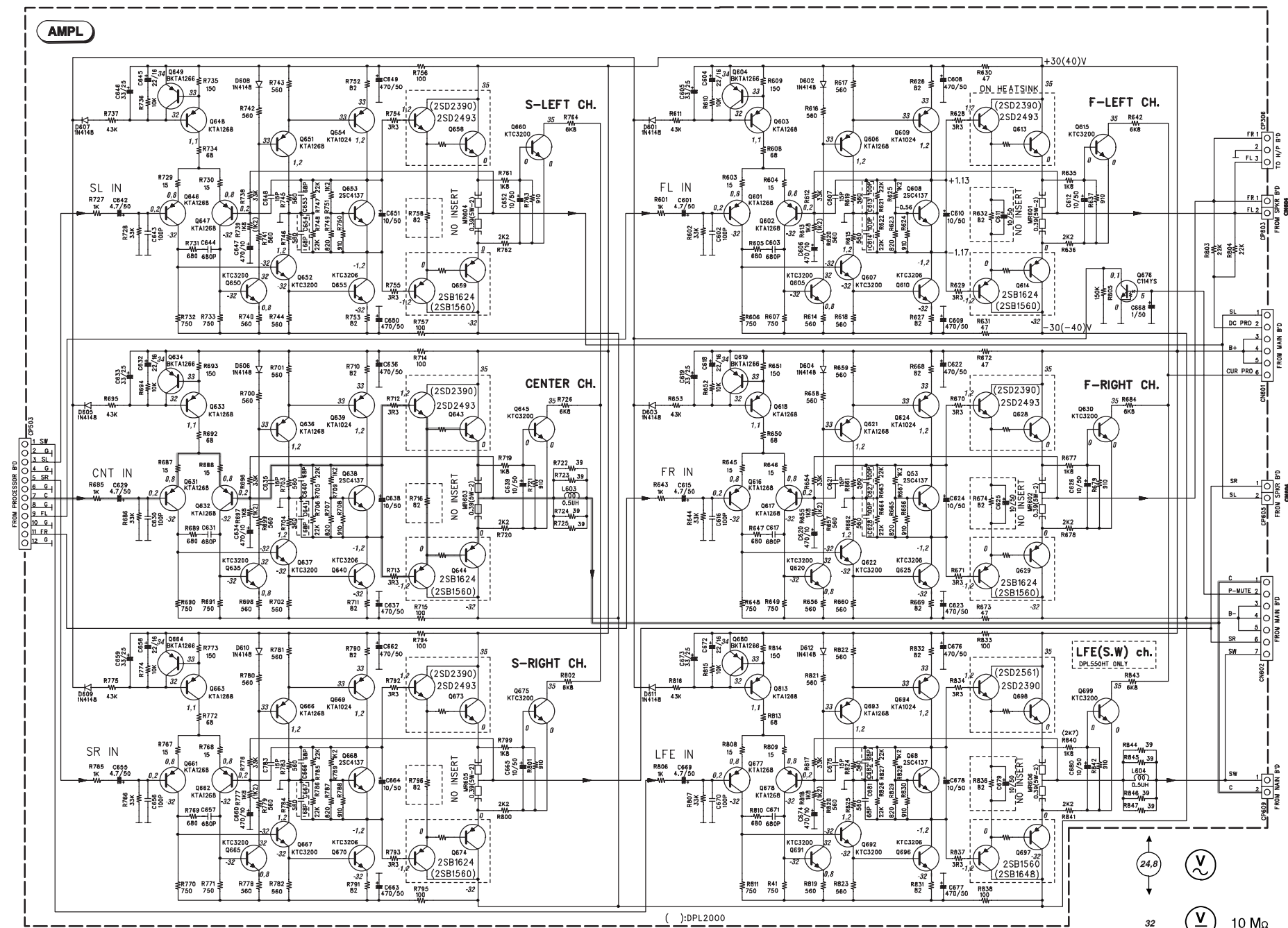


2SC4137



2SD2493  
2SB1624

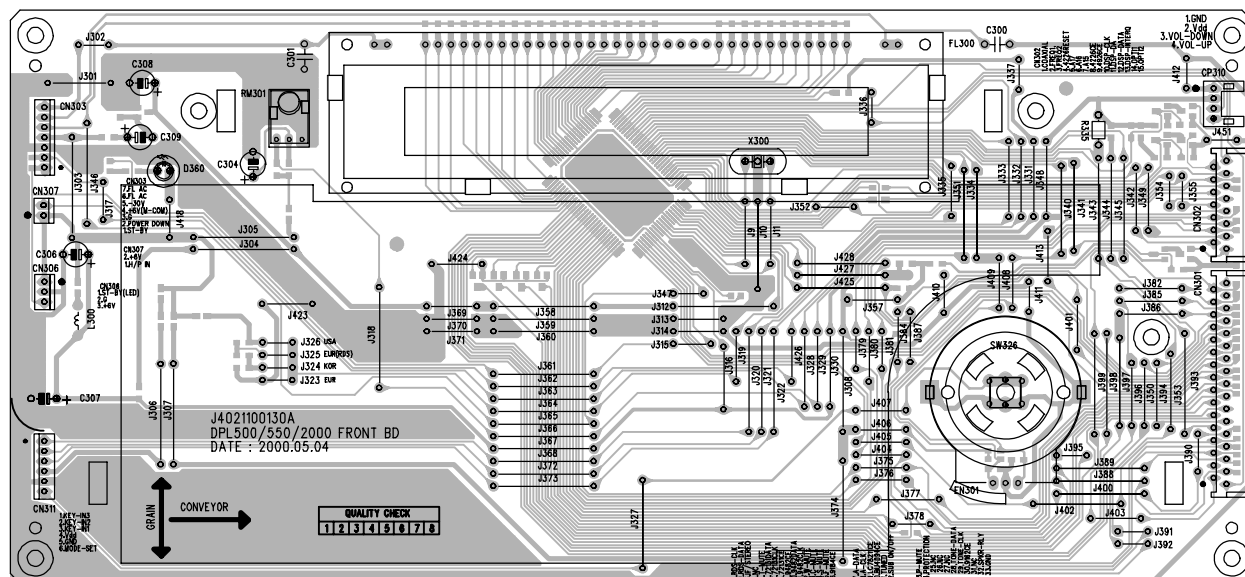
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD ENDVERSTÄRKER - SCHEMA DEL AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR



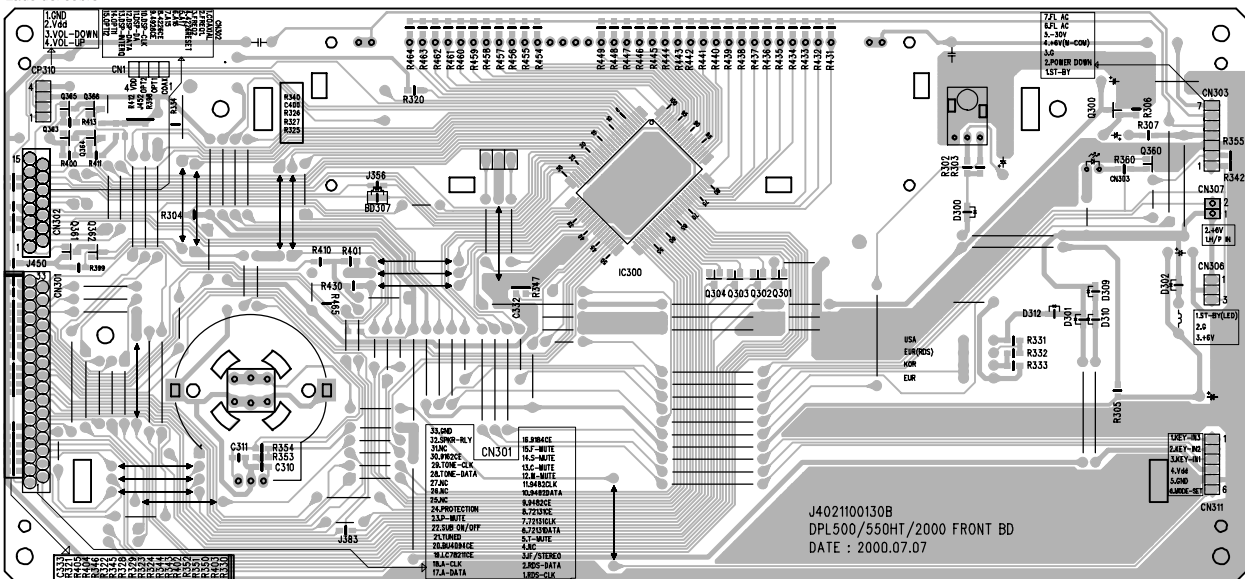


**Controls / display P.C.B.**  
**Platine commandes / afficheurs**  
**Ltpi. Bedientell / Anzeig**  
**Plastra comandi / Indicator**  
**Platina de mandos / Indicadores**

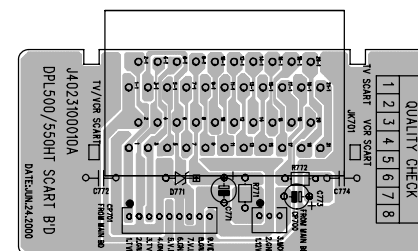
Component side  
Côté composants  
Bestückungsseite  
Lato componenti  
Lado componentes



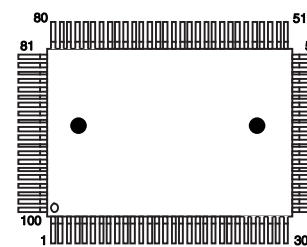
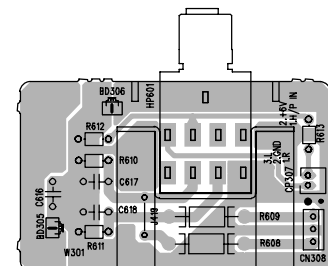
Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre



**Scart Interface P.C.B.**  
**Platine interface pérîtélévision**  
**Ltpl. Europa Normbuchse**  
**Plastra presa peritel**  
**Platina eurotoma**



**Headphone-jack P.C.B.  
Platine prise-casque  
Ltpl. Kopfhörerbuchse  
Plastra presa per cuffia  
Platina toma auriculares**

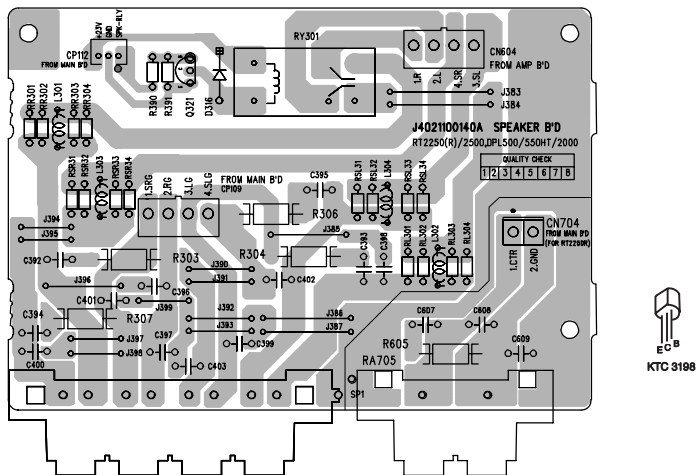


**CXP828XX**

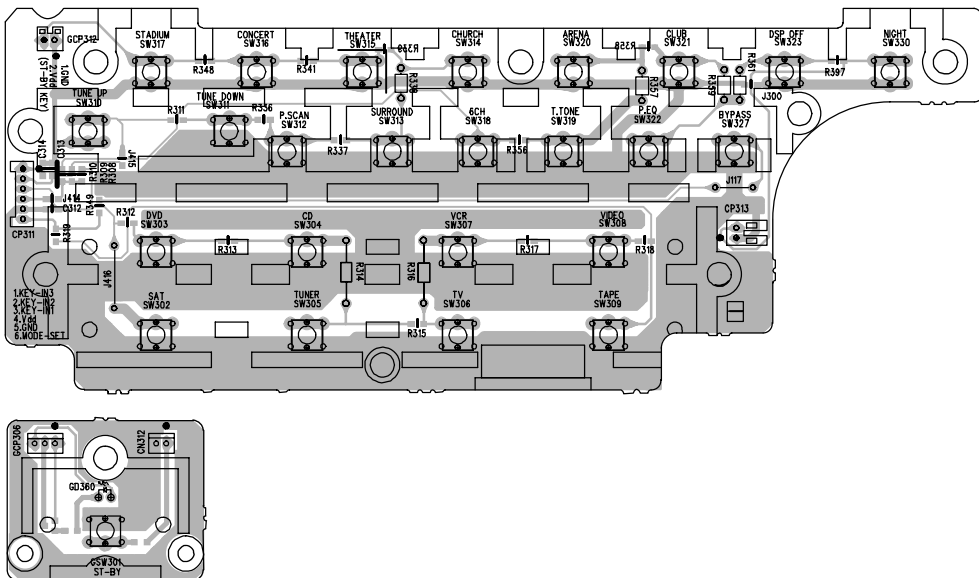
**PAV 5005R/5005**  
First issue 08 / 00



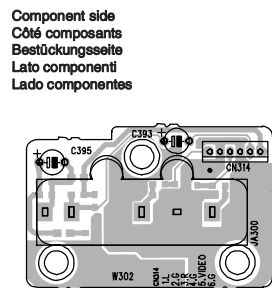
**Speaker P.C.B.**  
**Platine haut-parleurs**  
**Lautsprecher P.C.B.**  
**Plastra altoparlanti**  
**Platina altavoces**



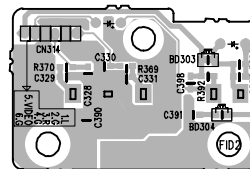
**Controls P.C.B.**  
**Platine commandes**  
**Ltpl. Bedientell**  
**Plastra comandi**  
**Platina de mandos**



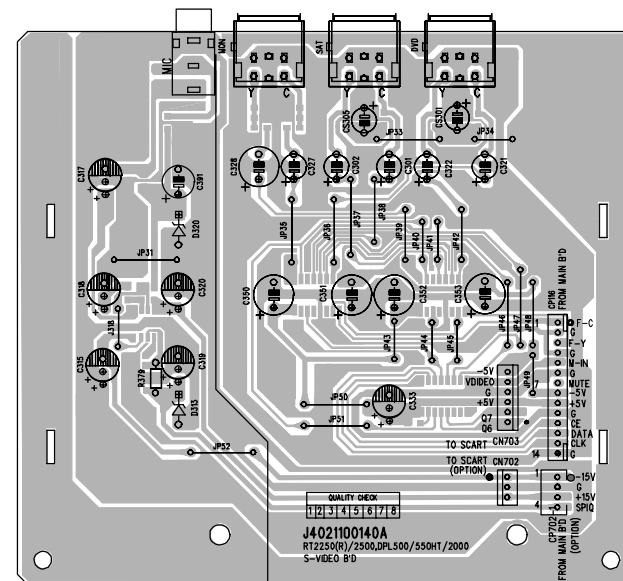
**Video input/output P.C.B.**  
**Platine des entrées/sorties vidéo**  
**Ltpl. video eingängen/ausgang**  
**Plastra ingressi/usciti video**  
**Platina entradas/salida vídeo (DINS)**



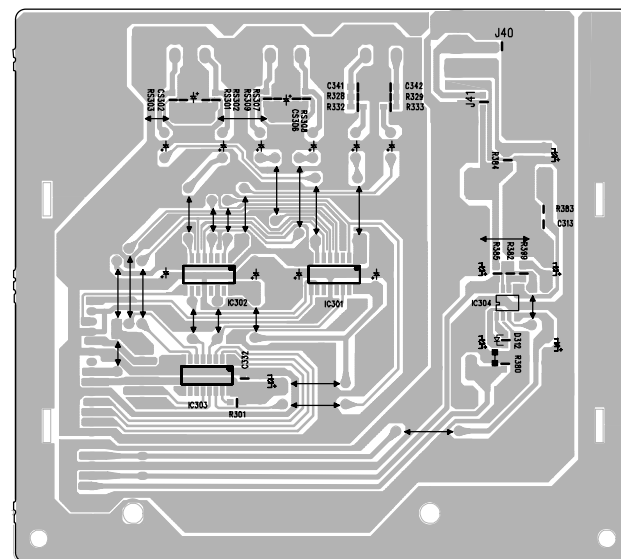
Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre



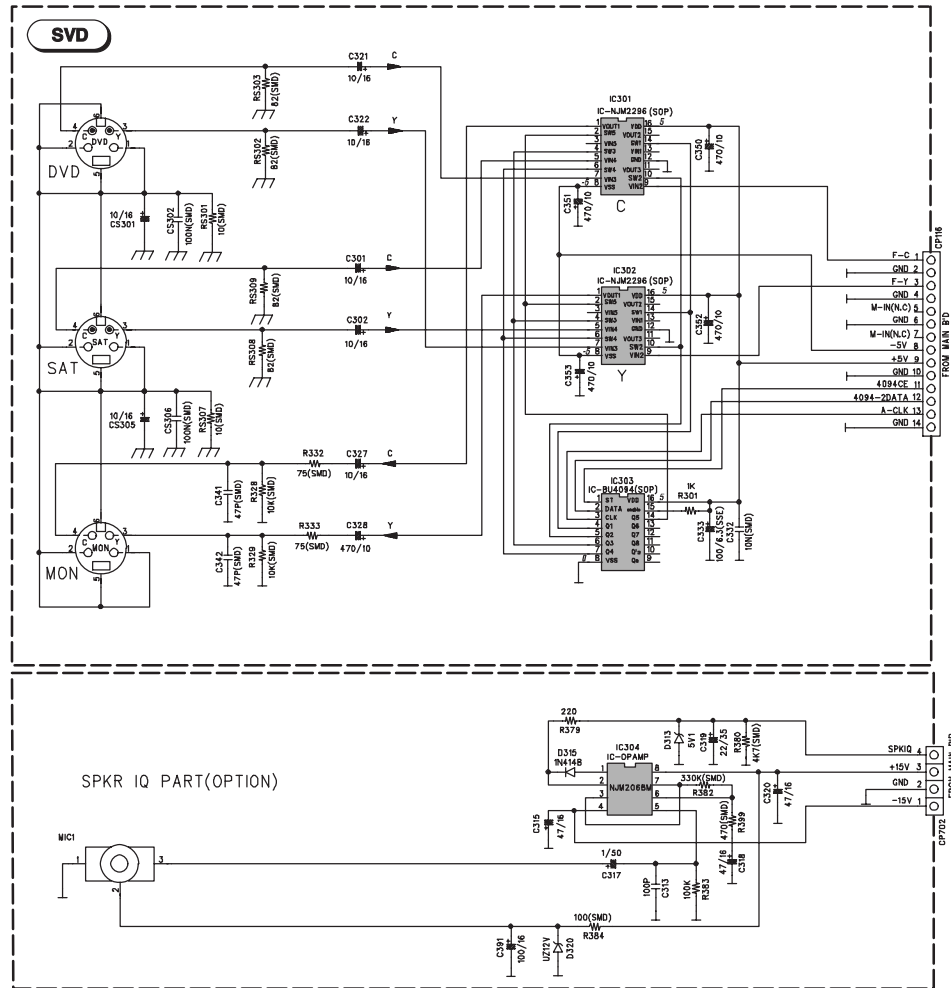
Component side  
Côté composants  
Bestückungsseite  
Lato componenti  
Lado componentes



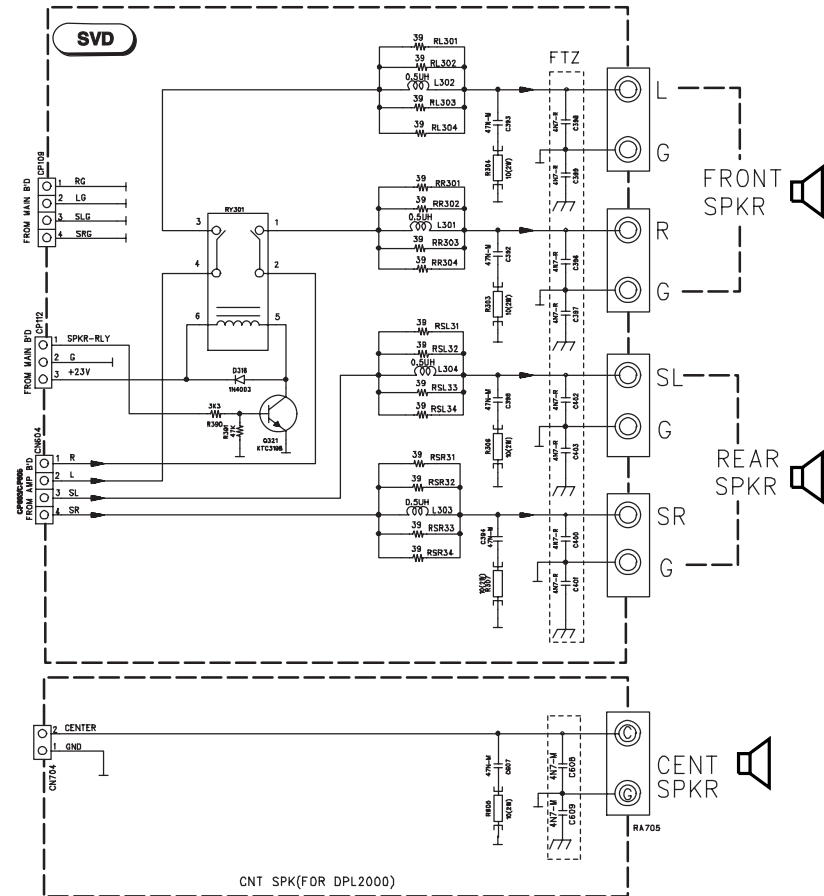
Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre



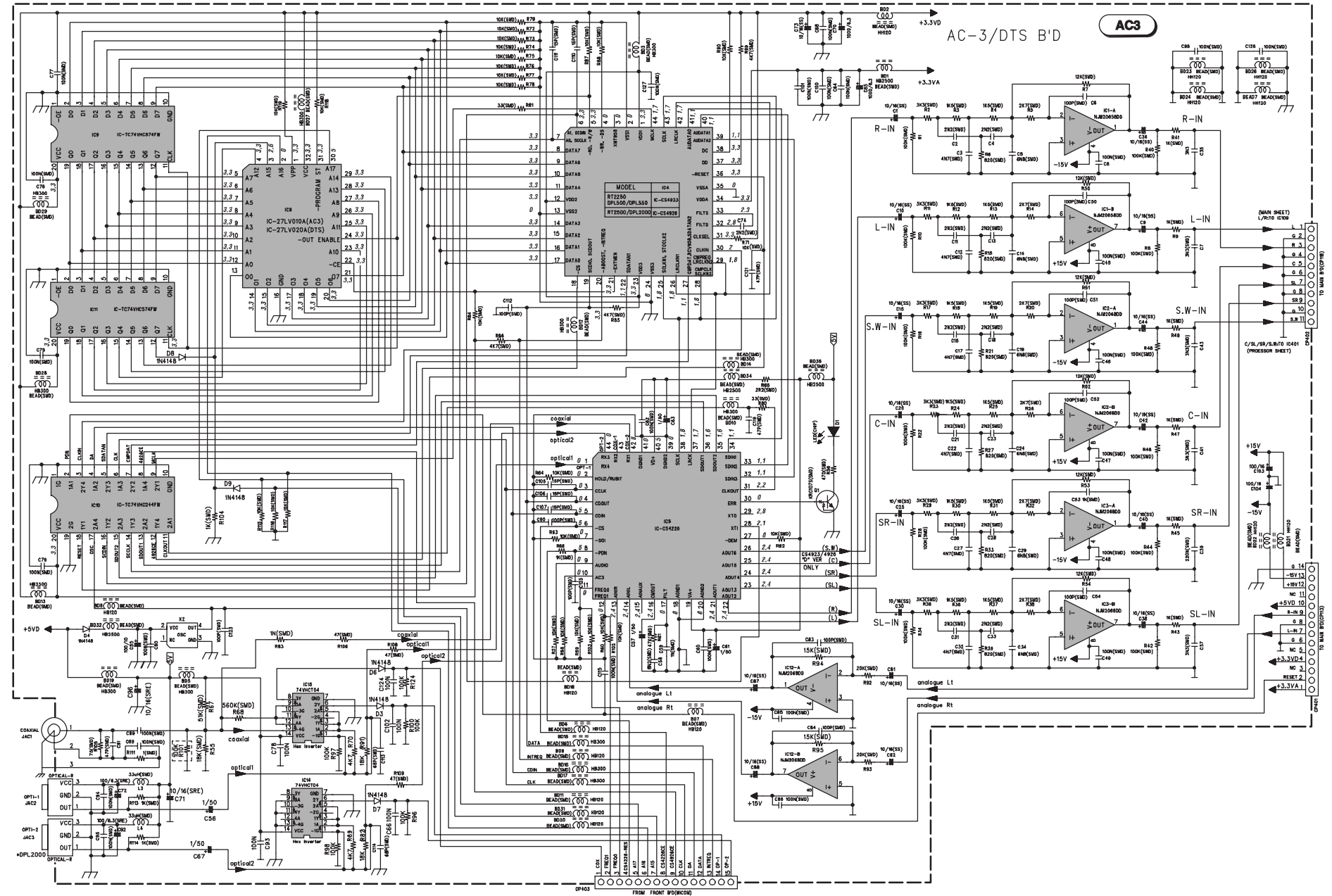
**VIDEO INPUT/OUTPUT SCHEMATIC DIAGRAM - SCHEMA DES ENTREES/SORTIES VIDEO - SCHALTBILD VIDEO EINGÄNGEN/AUSGANG - SCHEMA INGRESSI/USCITA VIDEO - ESQUEMA ENTRADAS/SALIDAD VIDEO**



**SPEAKER OUTPUT SCHEMATIC DIAGRAM - SCHEMA DES SORTIES HAUT-PARLEURS - SCHALTBILD LAUTSPRECHER AUSGANGEN - SCHEMA USCITE ALTOPARLANTI - ESQUEMA SALIDAS ALTAVOCES**



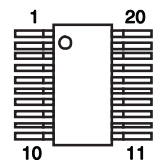
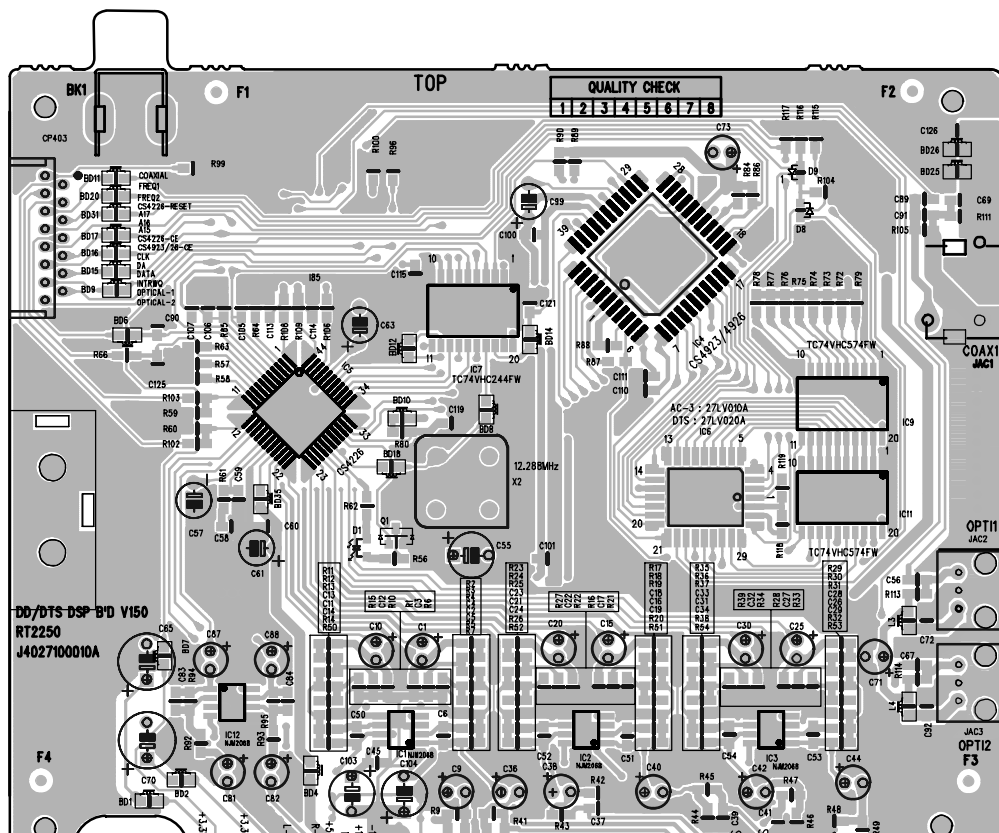
# DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL



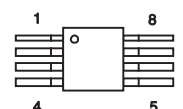


**Digital processing P.C.B.**  
**Platine traitement digital**  
**Ltpl. Digitalverarbeitung**  
**Piastra elaborazione digitale**  
**Platina tratamiento digital**

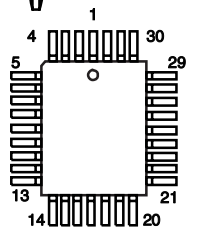
Component side  
 Côté composants  
 Bestückungsseite  
 Lato componenti  
 Lado componentes



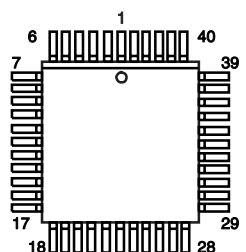
TC74VHC574FW  
 TC74VHC244FW



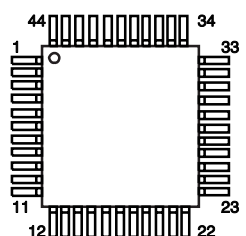
NJM2068DD  
 NJM20658DD



27LV010A  
 27LV020A

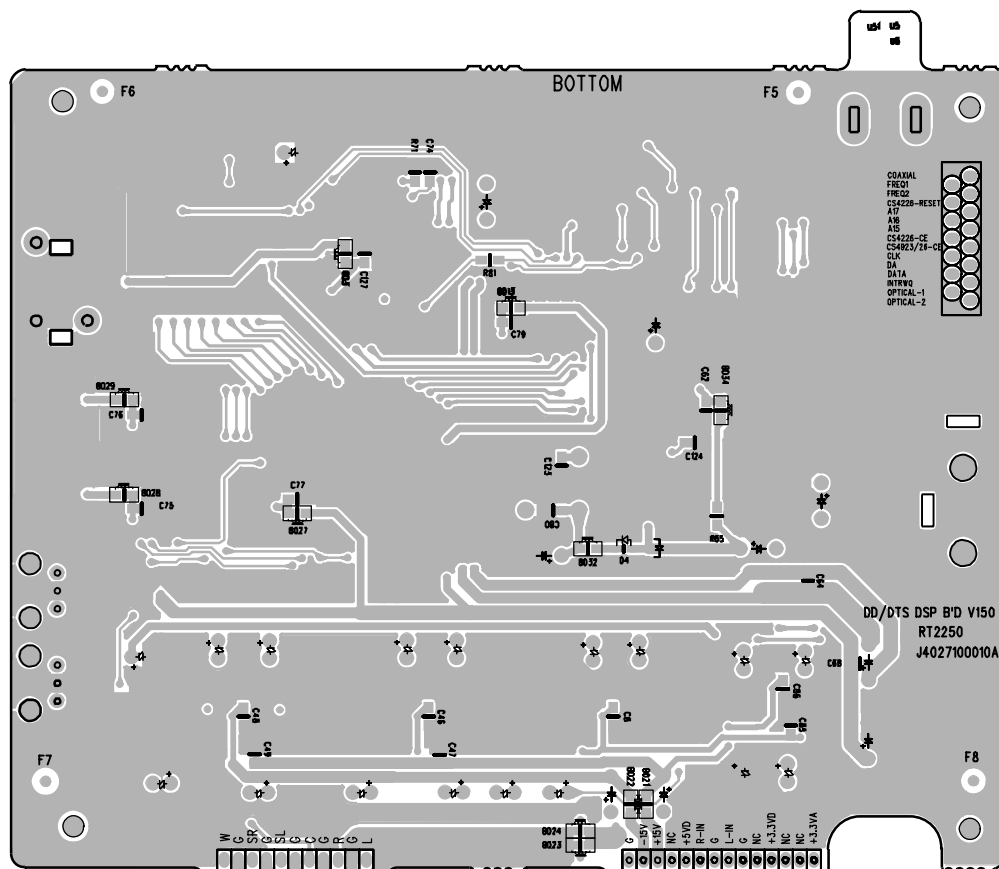


CS4923

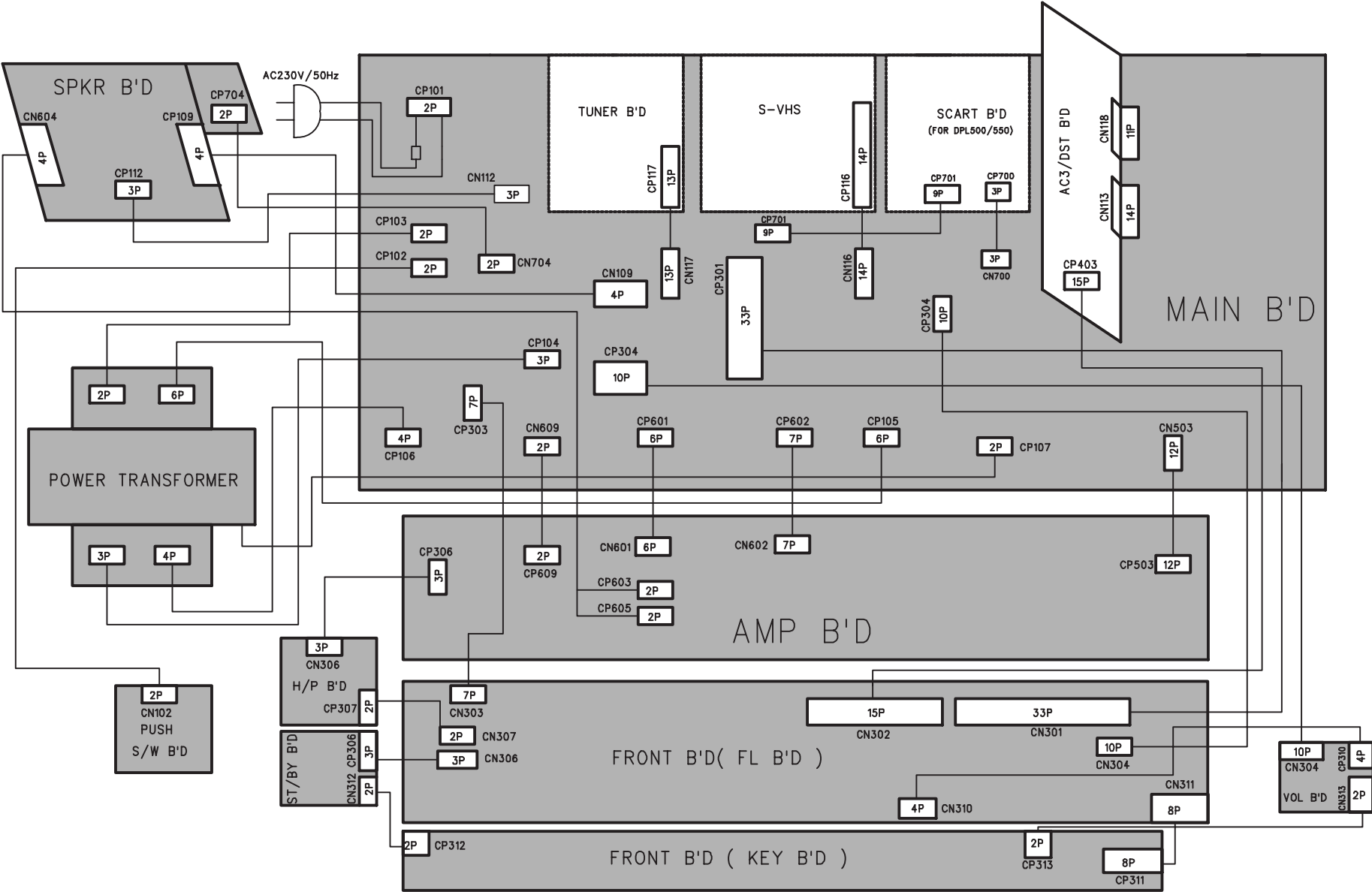


CS4226

Solder side  
 Côté soudure  
 Lötseite  
 Lato saldature  
 Lado del cobre

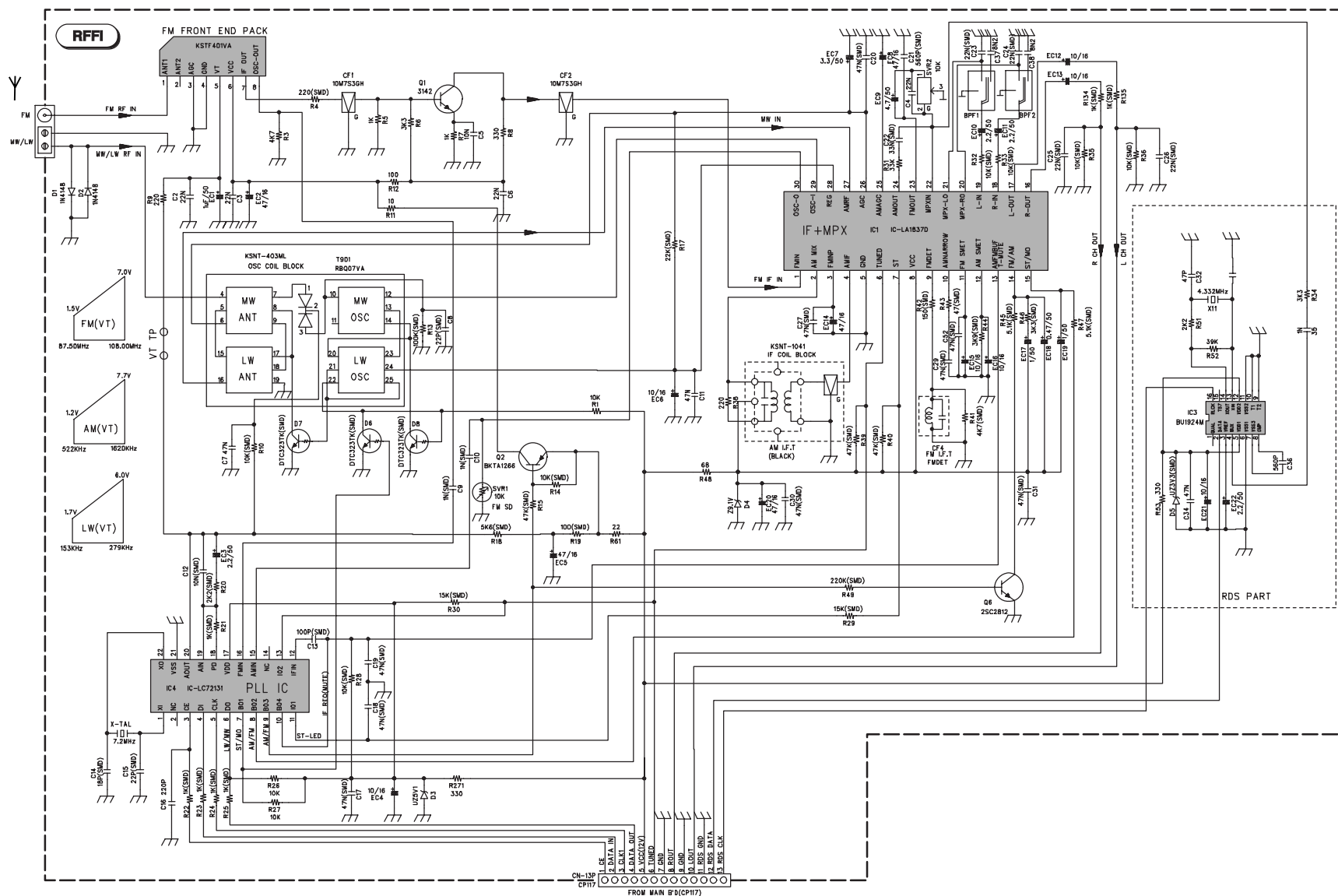


WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES



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**"CAUTION"** -FOR CONTINUED PROTECTION AGAINST  
RISK OF FIRE, AND RATINGS OF FUSE

**"ATTENTION"** -UTILISER UN FUSIBLE  
DE REMPLACEMENT  
DE MEME TYPE  
ET PUISSANCE

FUSE MODEL	RATING
F101	13.15A L/250V DPL500/550H
F102	14A L/250V DPL2000
F103	T315mA L/250V
F104	10A L/250V DPL500/550H/2000
F105	10A L/250V DPL500/550H/2000

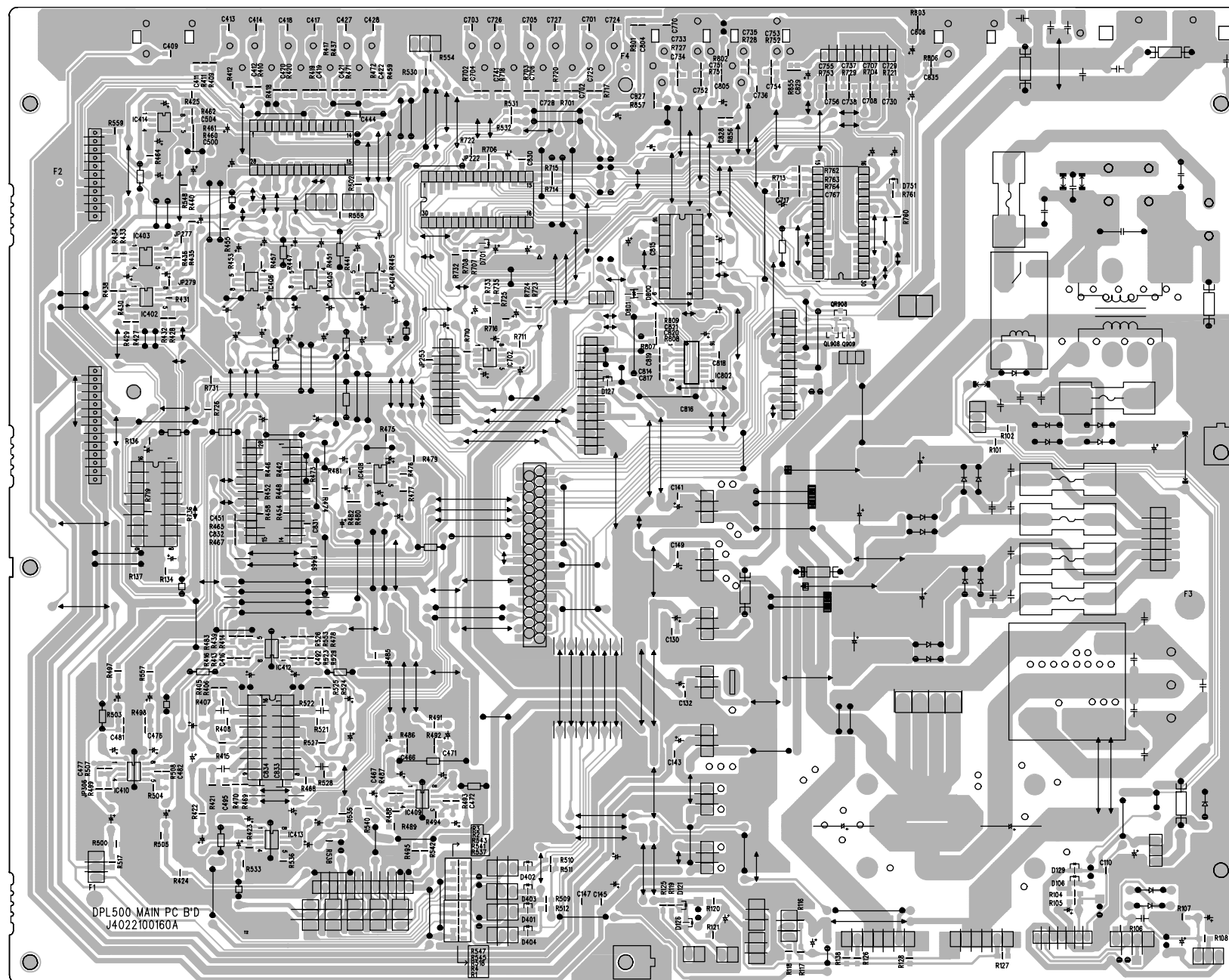
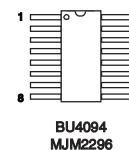
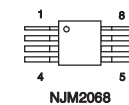
JUN.19,2000



# DPL 500


Main P.C.B.  
Platine principale  
Grundplatte  
Plastra principale  
Platina principal

Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre

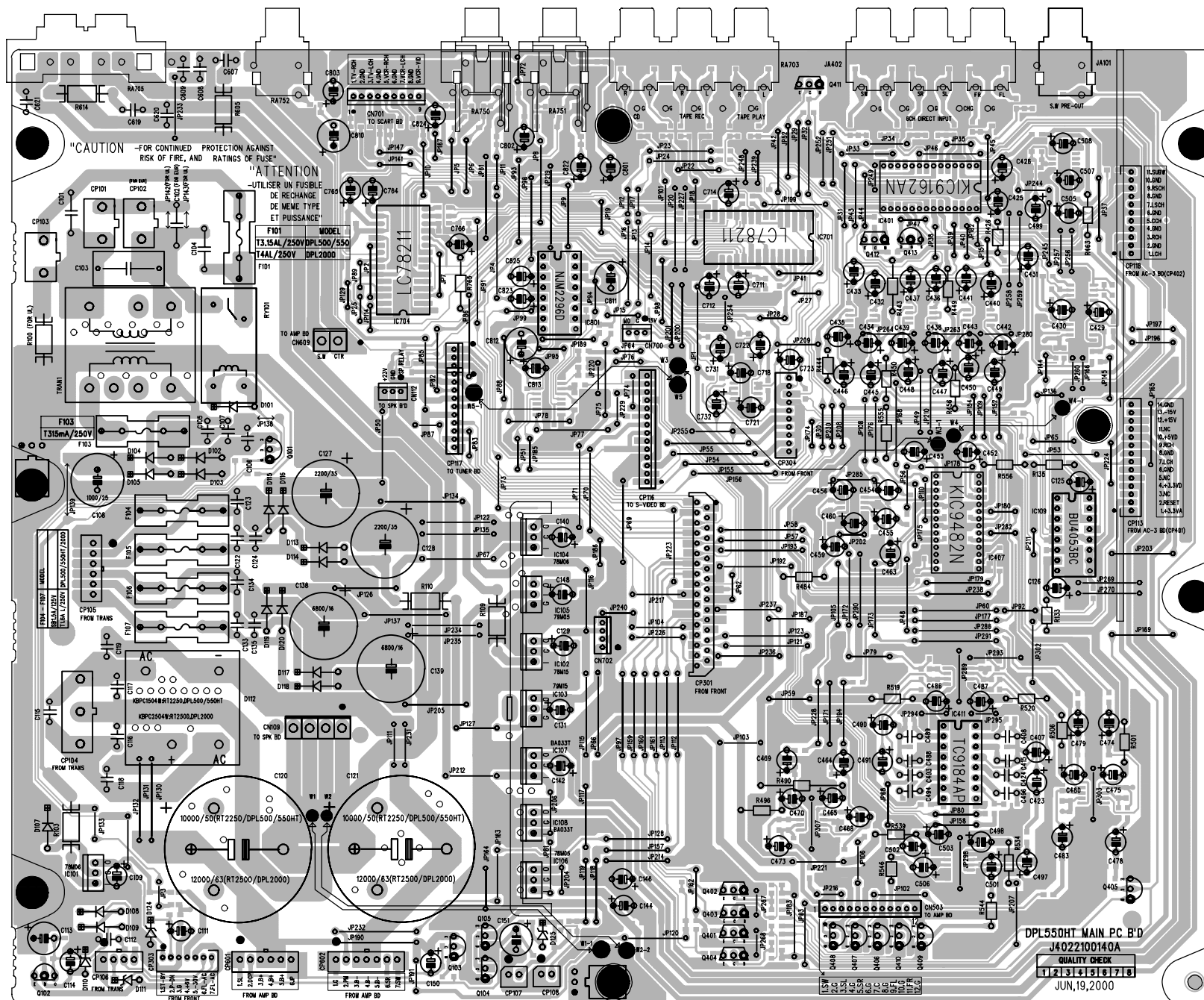


**Main P.C.B.**  
**Platine principale**  
**Grundplatte**  
**Plastra principale**  
**Platina principal**

BA033T



**DTA114Y**  
**DTC114T**



**Main P.C.B.**  
**Platine principale**  
**Grundplatte**  
**Plastra principale**  
**Platina principal**

Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre

